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PTO/SB/05 (1/98)

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 0819-321

First Inventor or Application Identifier: Kenya UOMORI et al.

Title: RANGEFINDER AND IMAGER

Express Mail Label No.

12/17/99
JC675 U.S. PTO
09/465679
12/17/99

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Specification Total Pages [52]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
3. Drawing(s) (35 USC 113) Total Sheets [22]
4. Oath or Declaration Total Pages []
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a
copy of the oath or declaration is supplied under Box 4b,
is considered to be part of the disclosure of the
accompanying application and is hereby incorporated by
reference therein.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

6. Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Copy
 - b. Paper Copy (identical to computer copy)
 - c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. Assignment Papers (cover sheet & document(s))
9. 37 CFR 3.73(b) Statement [] Power of Attorney
(when there is an assignee)
10. English Translation Document (if applicable)
11. Information Disclosure Statement [X] Copies of IDS
(IDS)/PTO-1449
Citations
12. Preliminary Amendment
13. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. *Small Entity [] Statement filed in prior application,
Statement(s) Status still proper and desired
(PTO/SB/09-12)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Other: Sheet of Filing Particulars

*A new statement is required to be entitled to pay small entity fees,
except where one has been filed in a prior application and is being
relied upon.

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:
 Continuation Divisional Continuation-in-part (CIP) of prior application No. _____
Prior application information: Examiner: _____ Group/Art Unit: _____

18. CORRESPONDENCE ADDRESS

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Signature  Date: December 17, 1999

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<< APPLICATION in U.S.A. >>

1. Title of the invention

"RANGEFINDER AND IMAGER"

2. Assignee: Matsushita Electric Industrial Co., Ltd.

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3. Inventor(s) (4 persons)

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④ Atsushi MORIMURA: 4-14-8, Nishitomigaoka, Nara-shi,
Nara 631-0006, Japan

4. Japanese Application Number	Filing Date	Convention Priority Claim
① 10-365688 for patent	December 22, 1998	<u>YES</u> <input checked="" type="checkbox"/> <u>NO</u> <input type="checkbox"/>

5. Reference(s) for IDS

① Andrew Gruss et. al., "A VLSI Smart Sensor for Fast Range Imaging",
proceedings of the 1992 IEEE/RSJ International Conference on Intelligent
Robots and Systems, July 7, 1992
② Kazuyuki Hattori et. al., "Handy Rangefinder for Active Robot Vision",
proceedings of the 1995 IEEE International Conference on Robotics and
Automation, 1995